

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/012748

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07K19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07K C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/46357 A (UNILEVER N.V.; UNILEVER PLC; HINDUSTAN LEVER LTD) 28 June 2001 (2001-06-28) cited in the application Section 1.2.1. Antibodies (pages 5-7); the claims.	1-13
Y	US 5 593 850 A (WETEGROVE ET AL) 14 January 1997 (1997-01-14) claims 1,2	1-13
A	WO 03/089019 A (THE PROCTER & GAMBLE COMPANY) 30 October 2003 (2003-10-30)	1-13
A	WO 01/49817 A (BASF AKTIENGESELLSCHAFT; JAHNS, EKKEHARD; BOECKH, DIETER; BERTLEFF, WE) 12 July 2001 (2001-07-12)	1-13
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☒ Further documents are listed in the continuation of box C.

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Date of the actual completion of the international search

13 June 2005

Date of mailing of the international search report

23/06/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	TANHA J ET AL: "Selection by phage display of llama conventional VH fragments with heavy chain antibody VHH properties" JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER, AMSTERDAM, NL, vol. 263, no. 1-2, 1 May 2002 (2002-05-01), pages 97-109, XP004354388 ISSN: 0022-1759 the whole document	
P,Y	US 6 750 328 B1 (WETEGROVE ROBERT L ET AL) 15 June 2004 (2004-06-15) claims 1-5	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/012748

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0146357	A	28-06-2001	AU 2364601 A BR 0016570 A CA 2392158 A1 WO 0146357 A2 EP 1240298 A2 US 2001036911 A1 US 2002155972 A1 ZA 200204426 A	03-07-2001 01-10-2002 28-06-2001 28-06-2001 18-09-2002 01-11-2001 24-10-2002 03-06-2003
US 5593850	A	14-01-1997	US 6750328 B1 AT 143699 T CA 2075695 A1 DE 69214244 D1 DE 69214244 T2 DK 535347 T3 EP 0535347 A2 ES 2092606 T3 JP 5304980 A KR 134766 B1 CA 2081879 A1 DE 69212112 D1 DE 69212112 T2 EP 0540314 A1 JP 5260991 A	15-06-2004 15-10-1996 01-03-1993 07-11-1996 03-04-1997 24-02-1997 07-04-1993 01-12-1996 19-11-1993 14-04-1998 01-05-1993 14-08-1996 05-12-1996 05-05-1993 12-10-1993
WO 03089019	A	30-10-2003	AU 2003226391 A1 CA 2479192 A1 EP 1496949 A1 WO 03089019 A1 US 2003215417 A1	03-11-2003 30-10-2003 19-01-2005 30-10-2003 20-11-2003
WO 0149817	A	12-07-2001	DE 10000223 A1 DE 50103314 D1 WO 0149817 A2 EP 1244768 A2 ES 2225464 T3 JP 2003524689 T US 2003125222 A1	12-07-2001 23-09-2004 12-07-2001 02-10-2002 16-03-2005 19-08-2003 03-07-2003
US 6750328	B1	15-06-2004	US 5593850 A CA 2081879 A1 DE 69212112 D1 DE 69212112 T2 EP 0540314 A1 JP 5260991 A AT 143699 T CA 2075695 A1 DE 69214244 D1 DE 69214244 T2 DK 535347 T3 EP 0535347 A2 ES 2092606 T3 JP 5304980 A KR 134766 B1	14-01-1997 01-05-1993 14-08-1996 05-12-1996 05-05-1993 12-10-1993 15-10-1996 01-03-1993 07-11-1996 03-04-1997 24-02-1997 07-04-1993 01-12-1996 19-11-1993 14-04-1998